Reg. No: | | | | | | | | |

G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2017-2018]
INTERNAL ASSESSMENT TEST – II

Programme : **I IT (A & B)** Date : 27.10.17
Course Code : **17UITC11** Time : 9-10 AM
Course Title : **INTRODUCTION TO IT AND HTML** Max Marks : **30**

Section A [6 x 1 = 6]

[The Answer **ALL** questions]

1. The brain of any computer system is _____
   a) ALU b) MEMORY
   c) CPU d) Control Unit
2. Second generation computers are based on _____
   a) Integrated Circuit b) vaccum tubes
   c) VLSI d) transistor
3. The DVD is example of _____
   a) SSD b) output device
   c) Hard disk d) Optical Disk
4. The BODY tag is usually used after _____
   a) HTML tag b) EM tag
   c) TITLE tag d) HEAD tag
5. The <hr> tag in HTML is used for _____
   a) new line b) vertical ruler
   c) new paragraph d) horizontal ruler
6. How to create an unordered list (a list with the list items in bullets) in HTML?
   a) b)
   c) d) <i>

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7.a) What is CPU? [OR]
b) Discuss Memory Unit.
8.a) Discuss Output devices with examples. [OR]
b) Explain forms in HTML.

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain Computer Networks and types of networks?
10. What is <TABLE> tag what are the attributes that can be used with table tag.

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(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2017- 2018]
INTERNAL ASSESSMENT TEST – II

Programme : **I IT (A & B)** Date : 27.10.17
Course Code : **17UITC11** Time : 9-10 AM
Course Title : **INTRODUCTION TO IT AND HTML** Max Marks : **30**

Section A [6 x 1 = 6]

[The Answer **ALL** questions]

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Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7.a) What is CPU? [OR]
b) Discuss Memory Unit.
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b) Explain forms in HTML.

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – II

Class : **III IT (A&B)** Date : **24-10-17**
Paper Code : **SNT8A51** Time : **12- 1pm**
Title of the Paper : **CLIENT SERVER COMPUTING** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. ---------- is a self contained OS.
   a) Netware b) OS/2
   c) Windows NT d) DOS
2. _____ passes attributes to dependent objects
   a) Inheritance b) Encapsulation
   c) Polymorphism d) Message pasing
3. The most effective and efficient way to provide support to client/server is--------
   a) Help Desk b) Network Management
   c) Security d) Performance
4. CBR __with a timing relationship between the source and destination
   a connection-less b) connection-oriented
   c) connection-oriented d) Security
5. SMTP use_____ connections to transfer text oriented electronic mail
   a) TCP bUDP
   c) FTP d) APP
6. APPC protocol with IPC support ____communication across an SNA network
   a) . one to one b) one to many
   c) peer to peer d) cross over

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7. a)) Explain about Inter Process Communication **[OR]**
   b) Explain Server Operating System in details
8 .a) Explain Wide Area Network Technologies in detail **[OR]**
   b) Explain Communication Interface and ATM in detail

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain the role of server and server function in details?
10. Explain the request for services?

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – II

Class : **III IT (A&B)** Date : **24-10-17**
Paper Code : **SNT8A51** Time : **12- 1pm**
Title of the Paper : **CLIENT SERVER COMPUTING** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. ---------- is a self contained OS.
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Section B [2 x 7 = 14]

[Answer **ALL** the questions]

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Section C [1 x 10 = 10]

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – II

Class : **III IT (A&B)** Date : **26-10-17**
Paper Code : **SNT8C51** Time : **12- 1pm**
Title of the Paper : **JAVA PROGRAMMING** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. The code in the _____ block will be executed regardless of what happens within the try block
   a) Finally b) Catch
   c) Default d) Else
2. Which package consists Applet class?
   a) java.io b) java.net
   c) java.applet d) java.awt
3. Which of the method can be used to output a string an applet?
   a) Println( ) b) DrawString( )
   c) Print( ) d) drawstring( )
4. Which class is as argument to paint( ) method?
   a) Runnable b) Graphics
   c) Thread d) Applet
5. AWT Stands for _____
   a) Abstract Window Toolkit b) Abstract with Toolkit
   c) Abstract Wide Tools d) Access Window Toolkit
6. The package _____ must be imported for implement event handling classes.
   a) java.applet b) java.event
   c) java.awt d) java.awt.event

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7. a) Discuss detailed about Exception types? **[OR]**
   b) Explain about multithreading?
8. a) Describes Swing concepts? **[OR]**
   b) Briefly Explain Mouse Events with Example?

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain the Graphics methods with Example?
10. Explain Checkbox creation with Example?

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – II

Class : **III IT (A&B)** Date : **26-10-17**
Paper Code : **SNT8C51** Time : **12- 1pm**
Title of the Paper : **JAVA PROGRAMMING** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

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Section B [2 x 7 = 14]

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Section C [1 x 10 = 10]

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – II

Class : **III IT A & B** Date: 27.10.2017
Paper Code : **SNT8S51** Time: **1.30-2.30 pm**
Title of the Paper : CRYPTOGRAPHY Max Marks: **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. If the number of parties involved in a lock – key mechanism is 4, the number of keys needed is _____
   a) 2 b) 4 c) 6 d) 8
2. _____ increases the redundancy of plain text
   a) confusion b) diffusion c) both d) neither confusion nor diffusion
3. The actual algorithm is the AES encryption scheme is _____
   a)blow fish b)IDEA c) Rijndael d) RC4
4. The RC5 block cipher mode is also called as _____
   a) RC5 block cipher b) RC5 – CBC c) RC5-CBC pad d) RC5-CTS
5. Symmetric key cryptography is _____ than asymmetric cryptography.
   a) always slower b) of the same speed c) faster d)usually slower
6. To verify a digital signature, we need the _____
   a)Sender's private key b) sender's public key c)receiver's private key d) receiver's public key

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7. a) Discuss about stream and block ciphers. **[OR]**
   b) Discuss the advantages and dis advantages of various algorithm modes.
8. a) Write short notes on IDEA. **[OR]**
   b) What is mono alphabetic cipher? explain.

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain RSA algorithm.
10. Explain the operations of AES

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – II

Class : **III IT A & B** Date: 27.10.2017
Paper Code : **SNT8S51** Time: **1.30-2.30 pm**
Title of the Paper : CRYPTOGRAPHY Max Marks: **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. If the number of parties involved in a lock – key mechanism is 4, the number of keys needed is _____
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Section B [2 x 7 = 14]

[Answer **ALL** the questions]

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Section C [1 x 10 = 10]

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – II

Class : **II IT A & B** Date: 24.10.2017
Paper Code : SNTGA31 Time: **10.30 – 11.30 am**
Title of the Paper : Digital Principles andComputer Architecture Max Marks: **30**

Section A [6 x 1 = 6]
[Answer **ALL** the questions]

7. For n inputs in decoder, number of outputs are
   a)n b)2n c)n/2 d)2^n
8. In DRAM, the address are read as
   a)Row address b)column address c)both d)none
9. When bus traffic is too heavy , its operation speed is called as _____
   a)bus – limited b)tristate c)interface d) cloud
10. All input and output devices that interface the system is given a
    a)device number b)power c)data d)bus
11. A_____ is an ordered set characters handled as a group
    a)control unit b)computer word d)ALU d)buses
12. the instruction used to read a word is _____
    a)SET b)RESET c)MB d)IC

Section B [2 x 7 = 14]
[Answer **ALL** the questions]

13. a) What is Static memory. Explain it pin – out [OR]
    b)Explain about interrupts in I/O systems
14. a)Explain the structure of magnetic tape [OR]
    b)Explain the branch instructions in detail

Section C [1 x 10 = 10]
[Answer **ANY ONE** question]

15. What is decoder? Explain its circuitry
16. What is memory mapped I/O

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – II

Class : **II IT A & B** Date: 24.10.2017
Paper Code : SNTGA31 Time: **10.30 – 11.30 AM**
Title of the Paper : Digital Principles Computer Architecture Max Marks: **30**

Section A [6 x 1 = 6]
[Answer **ALL** the questions]

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Section B [2 x 7 = 14]
[Answer **ALL** the questions]

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Section C [1 x 10 = 10]
[Answer **ANY ONE** question]

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Reg.No | 1 | 7 | B | C | | | | |

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – II

Class : **II IT A&B.** Date : 27.10.17
Paper Code :SNTGC31 Time : **12-1pm**
Title of the Paper : Programming in **C++** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. _____Operator also called the class member access operator.
   a) Dot b) function call d) comma d) pointer
2. In the following which one is unary operator while overloading _____.
   a) ( ) b) [ ] c) → d) ,(comma)
3. The _____ operator is normally used to access and modify a specific elements in an array.
   a) < > b) { } c) [ ] d) ( )
4. When a protected member is inherited in _____ mode, it become protected in the derived class.
   a) Protected b) auto c) public d) private
5. A_____ member inherited in the private mode derivation, becomes private in the derived class.
   a) Public b) private c) class d) protected
6. A(n) _____ function is a member function that is declared within a base class and redefined by a derived class.
   a) Inline b) virtual c) friend d) recursion

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7. a) Explain about function overloading **[OR]**
   b. **E**xplain about single inheritance

8. a) Explain about function overloading using friend function **[OR]**
   b) Discuss about basic stream class

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Write a c++ program for unary operator overloading
10. Explain about build in manipulators with example

Reg.No | 1 | 7 | B | C | | | | |

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – II

Class : **II IT A&B.** Date : 27.10.17
Paper Code : SNT8C31 Time :12-1 p**m**
Title of the Paper : Programming in **C++** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1 _____Operator also called the class member access operator.
   b) Dot b) function call d) comma d) pointer
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   b) ( ) b) [ ] c) → d) ,(comma)
3. The _____ operator is normally used to access and modify a specific elements in an array.
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4 When a protected member is inherited in _____ mode, it become protected in the derived class.
   b) Protected b) auto c) public d) private
5 A_____ member inherited in the private mode derivation, becomes private in the derived class.
   b) Public b) private c) class d) protected
6 A(n) _____ function is a member function that is declared within a base class and redefined by a derived class.
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Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7.a) Explain about function overloading **[OR]**
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Section C [1 x 10 = 10]

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – II

Class : **II IT A & B** Date :**26-10-17**
Paper Code : **SNTGC32** Time : **12 - 1pm**
Title of the Paper : **Data Structures and Computer Algorithm** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. A binary expression tree each internal node corresponds to
   a) Operand b) both a & c
   c) Operator d) string
2. A threaded binary tree making all right child pointers point to in order _____ of the node if exists.
   a) successor b) previous
   c) predecessor d) next
3. The _____ sort picks an element as pivot.
   a) merge b) selection
   c) quick d) bubble
4. The Strassen's method is to reduce the recursive calls to _____.
   a) 6 b) 7
   c) 4 d) 5
5. The _____ notation is used to define the upper bound of an algorithm.
   a) Big-Oh b) Big-Theta
   c) Big-Omega d) Alpha
6. The _____ algorithum sorts an array by repeatedly finding the minimum element.
   a) quick b) insertion
   c) merge d) selection

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7. a) Explain the Binary tree Traversals with an algorithum. **[OR]**
   b) Explain the Threaded trees.
8. a) Explain the Performance Analysis. **[OR]**
   b) Discuss about Binary Search.

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain the prims and kruskal algorithum with examples.

10. Explain the various sorting algorithums.(quick,merge&selection)

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – II

Class : **II IT A & B** Date : 26-**10-17**
Paper Code : **SNTGC32** Time : **12 - 1pm**
Title of the Paper : **Data Structures and Computer Algorithm** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. A binary expression tree each internal node corresponds to
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Section B [2 x 7 = 14]

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – I

Class : **I B.Sc(IT) A,B** Date : **22-08-17**
Paper Code : **17UBAN11** Time : **9-10am**
Title of the Paper : **Basics of Retail Marketing** Max Marks : **30**

Section A [6 x 1 = 6]
[Answer **ALL** the questions]

1.The actual term_____ means a piece of or to cut up.
a) Retailing b)Wholesale c)Distributing d)None of these
2._____are those retailers who carry goods in hand cart to sell them at the doors of consumers.
a) Pedlars b)Hawkers c)Cheap Jacks d)Street Traders
3._____ stores are divided into different departments, each selling a particular merchandise.
a) Super Market b)Departmental Stores c)Chain Stores d)Mail Order Shops
4._____ are business firms and individuals who provide resources needed by the retailers.
a) Intermediaries b)Suppliers c)Customers d)Competitors
5.The size of the population, density, mobility trends, age distribution factors are consisted by _____ environment.
a) Socialb)Politicalc)Demographicald)Technological
6.Uncontrollable variables are collectively called_____
a) Micro b)Distributors c)Suppliers d)Macro

Section B [2 x 7 = 14]
[Answer **ALL** the questions]
7. a) Differentiate between Product Retailing and Service Retailing.
[OR]
b) What are the functions of Retailers?

8. a) Specify the various factors of Micro Environment.
[OR]
b) Point out the importance of Retail Marketing.

Section C [1 x 10 = 10]
[Answer **ANY ONE** question]
9. Briefly explain the various elements of Macro Environment.
10. Discuss the various kinds of Large Scale Retailers.

Reg. No: | | | | | | | | |

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – I

Class : **I B.Sc(IT) A,B** Date : **22-08-17**
Paper Code : **17UBAN11** Time : **9-10am**
Title of the Paper : **Basics of Retail Marketing** Max Marks : **30**

Section A [6 x 1 = 6]
[Answer **ALL** the questions]

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[Answer **ALL** the questions]
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8. a) Specify the various factors of Micro Environment.
[OR]
b) Point out the importance of Retail Marketing.

Section C [1 x 10 = 10]
[Answer **ANY ONE** question]
9. Briefly explain the various elements of Macro Environment.
10. Discuss the various kinds of Large Scale Retailers.

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G.T.N.ARTS COLLEGE (Autonomous)
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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – I

Class : **All First Years** Date : **19-08-2017**
Paper Code : **17UENL11** Time : **10.30 – 11.30 a.m.**
Title of the Paper : **PART-II-ENGLISH** Max Marks : **30**

Section A [**6 x 1 = 6**]

[Answer **ALL** the questions]

1. Name the Greek God of the underworld in Orpheus and Euridyce---------
   a) Hades b) Zeus c) Hestia d) Eurydic
2. Who is the author of the valiant Vicky the brave weaver?
   a) Scott b) Flora Annie Steel c) Wordsworth d) Oscar Wilde
3. The person who speaks to the lady in The Telephone Conversation is an ------
   a) American b) African c) Mexican d) Asian
4. With the photographer is written by----------
   a) Stephen Leacock b) scot c) Jane Austen d) C.Bevers
5. DH Lawerence encountered the snake in the ----------
   a) Water trough b) Corridor c) Swimming pool d) hole in the earth
6. Abraham Lincoln wrote the letter to his ---------- HeadMaster
   a) Son's b) daughter's c) neighbour's d) stranger's

Section B **[2 x 4 = 8]**

[Answer **ANY TWO** Paragraph questions]

7. What does Hades forbid Orpheus from doing as the couple travels to the upper world?
8. Narrate the bravery of THE VALIANT VICKY THE BRAVE WEAVER
9. What is the satire in WITH THE PHOTOGRAPHER

Section C (Grammar) **[2 x 1 = 2]**

IDENTIFY THE NOUNS

10. Tokyo, the capital of Japan is one of the biggest cities in the world
11. Science and technology have brought several comforts to man

CHANGE THE SINGULAR INTO PLURAL **[2 x 1 = 2]**

12. ox
13. baby

Section D **[4 x 1 = 4]**

ANSWER ANY ONE OF THE LETTER

14. Write a letter to your friend about your first day in your College.
15. Write a letter to MacMillan publications to send 50 copies of oxford dictionary

ANSWER ANY ONE ESSAY **[8 x 1 =8]**

16. Narrate how Wole Soyinka criticize the racism in THE TELEPHONE CONVERSATION.
17. How fortune blissed Vicky in THE VALIANT VICKY THE BRAVE WEAVER.

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – I

Class : All First Years Date : 19-08-2017
Paper Code : 17UENL11 Time : 10.30 – 11.30 a.m.
Title of the Paper : PART-II-ENGLISH Max Marks : 30

Section A [6 x 1 = 6]

[Answer ALL the questions]

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – I

Class : **I BCA, B.Sc.(CS),B.Sc.(IT)** Date : **21-08-17**
Paper Code : **17UCAA11/17UCSA11/17UITA11** Time : **9-10am**
Title of the Paper : **DISCRETE MATHEMATICS** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. Objects are called the _____
   a) set b) union c) elements d) tabular
2. If $A \cup A' =$ _____
   a) A b) $\cup$ c) ϕ d) 1
3. If $A \Delta B =$ _____
   a) $(A - B) \cup (B - A)$ b) $A \cup B$ c) $A \cap B$ d) ϕ
4. If $A = \begin{bmatrix} 1 & 2 \\ 4 & 8 \end{bmatrix}$ find $|A|$=_____
   a) 1 b) 0 c) 3 d) 2
5. If $(A')' =$_____
   a) A' b) A^T c) A d) 1
6. If Skew symmetrix than $A^T =$ _____
   a) $-A$ b) A c) 0 d) A^T

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7. a) State and prove Demorgan's law . **[OR]**
   b) State and prove distributive law.
8. a) Find the inverse of matrix $A = \begin{bmatrix} 2 & 4 & -1 \\ 0 & 3 & 7 \\ 8 & 1 & 5 \end{bmatrix}$ **[OR]**
   b) For what values of λ and μ $x + y + z = 6, 3x - y + 7z = 22,$ $6x + 2y + \mu z = \lambda$ (i) consistant (ii) inconsistent (iii) consistant and the solution is unique

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. In a survey of 100 student it was found that 40 studied mathematics, 64 studied physics, 35 studied chemistry, 1 studied all the 3 subject, 25 studied mathematics and physics, 3 studied mathematics and chemistry , 20 studied physics and chemistry. Find the number of student who studied chemistry only and the number who studied none of these subjects.
10. Fine the eigen values and eigen vectors of the matrix $A = \begin{bmatrix} 8 & -6 & 2 \\ -6 & 7 & -4 \\ 2 & -4 & 3 \end{bmatrix}$

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – I

Class : I BCA, B.Sc.(CS),B.Sc.(IT) Date : 21-08-17
Paper Code : 17UCAA11/17UCSA11/17UITA11 Time : 9-10am
Title of the Paper : DISCRETE MATHEMATICS Max Marks : 30

Section A [6 x 1 = 6]

[Answer ALL the questions]

1. Objects are called the _____
   a) set b) union c) elements d) tabular
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Section B [2 x 7 = 14]

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – I

Class : **I B.Sc.(IT) A & B** Date : **23-08-17**
Paper Code : **17UITC11** Time : **9- 10 am**
Title of the Paper : **Fundamentals of IT & HTML** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1 The Instructions and data are called _____
a) Hardware b) Software
c) Computer d) Storage

2 The brain of the computer_____
a) Memory b) Input device
c) Output device d) CPU

3 _____ tells the rest of the computer system how to carry out program instructions
a) ALU b) control unit
c) microcode d) memory

4 RAM stands for_____
a) Random Access Memory b) Random Accept Memory
c) Read Any Memory d) Read Again Memory

5 Computers also have several additional storage locations called _____
a) clock speed b) bus
c) registers d) cache memory

6 CD-R stands for
a) Compact Disc-Recordable drive b) Compact Disc-Readable drive
c) Complete Disc-Recordable drive d) Common Disc-Readable drive

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7. a) Explain characteristics of computer? **[OR]**
b) Explain briefly about memory organization?

8. a) Explain briefly about RAM? **[OR]**
b) Explain a) Floppy Disk b) Optical Disk?

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Describe classification of digital computer system
10. Describe briefly about hard disk?

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – I

Class : **I B.Sc.(IT) A & B** Date : **23-08-17**
Paper Code : **17UITC11** Time : **9- 10 am**
Title of the Paper : **Fundamentals of IT & HTML** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

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Section C [1 x 10 = 10]

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – I

Class : **III IT (A&B)** Date : **22-08-17**
Paper Code : **SNT8A51** Time : **12- 1pm**
Title of the Paper : **CLIENT SERVER COMPUTING** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. RPC and ORB are technologies used for?
   a) Managing operating systems b) Building distributed applications
   c) Stand alone applications d) Synchronization
2. _____ is a single – user workstation
   a) Server b) client
   c) Protocol d) network
3. client server application _____ elements
   a) 2 b) 3
   c) 4 d) 5
4. _____ is a specification from OMG, a vendor consortium
   a) CORBA b) UNIX
   c) NOS d) IBM
5. The functions such as copy, move , edit , compare and help are _____ services
   a) Message b) network
   c) Application d) utility
6. _____ is a self contained OS
   a) Netware b) OS/2
   c) Windows NT d) DOS

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7. a) Explain the connectivity trends? **[OR]**
   b) Explain Client / Server Computing?
8 .a) How to reduce network traffic? **[OR]**
   b) Explain a) OLE b) DDE c) CORBA

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain about advantages of client/server computing?
10. Explain the request for services?

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – I

Class : **III IT (A&B)** Date : **22-08-17**
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Section A [6 x 1 = 6]

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – I

Class : **III IT (A&B)** Date : **19-08-17**
Paper Code : **SNT8C51** Time : **12- 1pm**
Title of the Paper : **JAVA PROGRAMMING** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. Hot java is_____?
   a) System Software b) Web browser
   c) IDE d) Java Environment
2. Which one of the lists contains only java programming language keyword?
   a) class,if,Int b) native,finally,throws
   c) try,virtual,final d) byte,break,include
3. Which of these can be used to fully abstract a class from implementation?
   a) Interface b) Object
   c) Package d) String
4. Which class cannot be subclassed (or Extended) in Java?
   a) Abstract Class b) Parent Class
   c) Final Class d) Extended Class.
5. Which of these constructors is used to create an empty String object?
   a) String() b)String (Void)
   c)String(0) d) String empty().
6. Which of the following package stores all the standard Java Classes?
   a) lang b) util
   c) Java d) Java.packages.

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7. a) Explain the Feature of Java? **[OR]**
   b) Describe Java String Buffers?
8. a) Write the concept of Wrapper Classes? **[OR]**
   b) Briefly Explain Final and Abstract classes and methods with Examples?

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain the concepts of Interface and any one Interface with Examples?
10. Explain the Packages with Examples?

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – I

Class : **III IT (A&B)** Date : **19-08-17**
Paper Code : **SNT8C51** Time : **12- 1pm**
Title of the Paper : **JAVA PROGRAMMING** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – I

Class : **III IT (A&B)** Date : **21-08-17**
Paper Code : **SNT8C52** Time : **12- 1pm**
Title of the Paper : **OPERATING SYSTEM** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. In a magnetic disk, the surface of a platter is logically divided into circular _____ which are subdivided into sectors
   a) Spindle b) Tracks c) Cylinder d) header
2. A _____ system is a collection of processors that do not share memory, peripheral devices Or a clock
   a) Personal Computer b) WWW
   c) Networking d) Distributed
3. Computer programs are implemented in a semi conductor technology called _____which forms on array of memory words in main memory.
   a) Static RAM b) dynamic RAM
   c) Volatile RAM d) Trap RAM
4. A process is a _____in execution.
   a) software b) os
   c) program d) none of the above
5. A _____ is defined as an endpoint for communication.
   a) port b) socket
   c) software d) program
6. CPU scheduling is the task of selection a _____process from the ready queue and allocating the CPU to it.
   a) ready b) running
   c) waiting d) none of the above

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7. a) Give a brief account on distributed systems. **[OR]**
   b) Discuss the importance of storage structure.
8. a) List and explain the different models of multithreading technique**.[OR]**
   b) Discuss the PCB.

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Discuss briefly on Hardware Protection.
10. List down various CPU scheduling algorithms and explain any tow algorithms.

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – I

Class : **III IT (A&B)** Date : **21-08-17**
Paper Code : **SNT8C52** Time : **12- 1pm**
Title of the Paper : **OPERATING SYSTEM** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – I

Class : **III IT (A&B)** Date : **23-08-17**
Paper Code : **SNT8S51** Time : **12- 1pm**
Title of the Paper : **Cryptography** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. A _____ System is a computer system that can be trusted to a specific extent to enforce a specified security policy.
   a) Reference Monitor b)Trusted c) Security Policy d) Access Control
2. _____ puts the availability of resources in danger.
   a) Integrity b) Fabrication c) Interception d) Interruption
3. _____ is caused when an unauthorized entity pretends to be another entity.
   a) Masquerade b) Modification c) Replay Attacks d) Alteration
4. The attacker selects a plain text block and tries to look for the encryption of the same in the Cipher text.
   a) Known Plain Text Attack b) Chosen Plain Text Attack
   c) Chosen Text Attack d) Cipher Text Only
5. _____ is a technique that facilitates hiding of a message that is to be kept secret inside other messages.
   a) Cryptography b)Stenography c) Substitution d) Transposition
6. Book cipher also called as_____
   a)Vernam b)One-Time Pad c)Running Key Cipher d)Rail Fence

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7. a) Explain types of attacks in detail? **[OR]**
   b) Explain about a) Virus b) Worms c) Trojan Horse
8. a) What is Encryption and Decryption? Draw a block diagram showing plain text, cipher Text, encryption and decryption? **[OR]**
   b) Explain any 3 substitution technique?

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain in detail about Principles of Security with a neat diagram?
10. Explain transposition technique?

Reg. No: | | | | | | | | |

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – I

Class : **III IT (A&B)** Date : **23-08-17**
Paper Code : **SNT8S51** Time : **12- 1pm**
Title of the Paper : **Cryptography** Max Marks : **30**

Section A [6 x 1 = 6]

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – I

Class : **II B.Sc. (IT) A&B** Date : **23-08-17**
Paper Code : **SNTGA31** Time : **12- 1 pm**
Title of the Paper : **Digital Principles &Computer Organization** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1 The binary equivalent of 35 is _____
a) 100011 b) 111111
c) 100000 d) 101011

2 Numbers are stored and transmitted inside computer in
a) binary form b) ASCII code form
c) decimal form d) alphanumeric form

3 _____ gate is the complement of AND gate
a) NOR b) XOR
c) NAND d) NOT

4 X. (Y+Z) =_____
a) (X.Y).Z b) (X.Y) + (X.Z)
c) (X+Y).Z d) X+ (Y.Z)

5 Using the same 1 more than once in K-Map is
a) redundant group b) overlapping group
c) Don't care conditions d) entered variable

6 _____ is a input signal that disables or enables the multiplexer
a) Select Signal b) Strobe
c) Data Signal d) NAND

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7. a) Convert the following decimal numbers into equivalent binary numbers
i)$(7896.265)_{10}$ ii)$(927)_{10}$ **[OR]**
b) Explain the following gates i) OR ii) AND

8. a) Reduce the following Boolean functions F=A'C+A'B+AB'C+BC **[OR]**
b) Describe on 16-to-1 Multiplexer

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain the Gray code & ASCII code
10. Give SOP form of Y=F(A,B,C,D) = πM(0,3,4,5,6,7,11,15)

Reg. No:

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ODD SEMESTER [2017-18]
INTERNAL ASSESSMENT TEST – I

Class : **II B.Sc.(IT) A&B** Date : **22-08-17**
Paper Code : **SNTGC32** Time : **12- 1 pm**
Title of the Paper : **Data Structures and Computer Algorithms** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. Which data type is used to store collection of unrelated items?
   a) Se b) Linear
   c) Hierarchical d) Network
2. An array element are accessed using
   a) Subscript b) address
   c) Keywords d) Identifiers
3. _____ allocation of memory refers to the allocation of memory during compilation
   a) Static b) dynamic
   c) Array d) Linked List
4. The operation done in queue are called _____ and _____
   a) Push and Pop b) add and delete
   c) front and rear d) Insertion and deletion
5. In a single Linked list , every node contains _____ field
   a) 2 b) 3
   c) 4 d) 5
6. In a _____ Queue, the overflow error occurs only when all the locations are filled
   a) multi dimensional b) circular
   c) priority d) double ended

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7. a) Write an algorithm to insert an element before a given node in a DLL? **[OR]**
   b) Define an array. What are the basic operations performed on an array?
8. a) Explain about the different types of implementation in stack? **[OR]**
   b) Explain in INSERT and DELETE operations in a queue?

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Discuss briefly about special types of matrices.
10. Explain about Linked representation of queues?

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Paper Code : **SNTGC32** Time : **12- 1 pm**
Title of the Paper : **Data Structures and Computer Algorithms** Max Marks : **30**

Section A [6 x 1 = 6]

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INTERNAL ASSESSMENT TEST – I

Class : **II Year -Tamil, English, Maths, Chemistry, BCA, CS, IT** Date : **19-08-2017**
Paper Code : **UENEE31** Time : **1.30 – 2.30 a.m.**
Title of the Paper : **PART-II-ENGLISH** Max Marks : **30**

Section A **[6 x 1 = 6]**

[Answer **ALL** the questions]

1. " The rewards of state were conferred on_____ and not on useful numbers of society"-Goldsmith
   a) Scholars b) soldiers c) amusing d) surprise
2. What haunts the ruined senate-house now?
   a) Ghosts b) Robbers c) Poisonous reptiles d) soldiers
3. What was the number of the lottery ticket?
   a) Series 9499, number 26 b) Series 9699, number 26.
   c) Series 9499, number 46 d) Series 9488, number 46
4. What is the name of the summer referred to in the short story the lottery Ticket?
   a) Russian summer b) St.Martin summer c) Oryol summer d) Mid Summer
5. The poet Wordsworth saw a crowd of_____
   a) People b) daffodils c) clouds d) stars
6. Whose dance is more beautiful to Wordsworth?
   a) The waves in the lake b) The twinkling stars in the sky.
   c) The daffodils by the side of the lake d) The flowers in the Garden

Section B **[2 x 4 = 8]**

[Answer **ANY TWO** Paragraph questions]

7. What are the pessimistic thought about the future that fill the author as he walks about the city at night?
8. How did Ivan react when his eyes were caught by the figure 9499?
9. How did Ivan plan to spend Saint Martin's Summer after he became rich?

Section C **[8 x 1 =8]**

ANSWER ANY ONE ESSAY

16. How did the lottery ticket change the lives of the Dmitritchs?
11. Consider "Daffodils" as one of the fine lyrics of Wordsworth.

Section D (Grammar) **[4 x 1 = 4]**

CHOOSE THE CORRECT WORD FROM THE GIVEN OPTIONS

10. A pair of scissors _____ (is/are) needed for my work.
13. Neither of his theories _____ (hold/holds) water.
14. Books _____ (was /were) her obsession.
15. Each boy and each girl_____ (was/were) given a prize.

Section D **[8 x 1 =8]**

16. Write out an interview for the post of a computer operator in a reputed company.

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Paper Code : UENEE31 Time : 1.30 – 2.30 a.m.
Title of the Paper : PART-II-ENGLISH Max Marks : 30

Section A [6 x 1 = 6]

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